

REGULATION III - CONTROL OF AIR CONTAMINANTS

RULE 313 INCINERATORS

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**MARICOPA COUNTY
AIR POLLUTION CONTROL REGULATIONS**

REGULATION III - CONTROL OF AIR CONTAMINANTS

**RULE 313
INCINERATORS**

SECTION 100 - GENERAL

- 101 PURPOSE:** To establish standards for incinerators that are used for refuse disposal and to limit particulate emissions from incinerator burning.
- 102 APPLICABILITY:** This rule applies to all incineration except the incineration of hazardous waste as identified under subtitle C of the Resource Conservation and Recovery Act, or the incineration of medical waste.

SECTION 200 - DEFINITIONS: For the purpose of this rule, the following definitions shall apply:

- 201 COMBUSTIBLE REFUSE -** Any solid or liquid combustible waste material containing carbon in a free or combined state.
- 202 FLUE -** A duct or passage, such as a stack or chimney, for air contaminants.
- 203 INCINERATOR -** Any equipment, machine, device, contrivance or other article and all appurtenances thereof used for the destruction or reduction by burning of combustible refuse or salvage material.
- 204 MEDICAL WASTE -** Any non-gaseous waste, including infectious wastes, which is generated in the diagnosis, treatment, or immunization of human beings or animals, in research pertaining thereto, or in production or testing of biological agents and substances. Medical waste does not include any wastes identified under subtitle C of the Resource Conservation and Recovery Act (RCRA) as hazardous or as household waste, but includes those pharmaceuticals which are not identified as hazardous by subtitle C of RCRA.

- 205 MULTIPLE-CHAMBER INCINERATOR** - Any incinerator consisting of two or more refractory-lined combustion chambers in series, physically separated by refractory walls, interconnected by gas passage ports or ducts designed for maximum combustion of the material to be burned.

SECTION 300 - STANDARDS

- 301 CONTROLS REQUIRED:** No person shall burn any combustible refuse in any incinerator within Maricopa County except in an approved multiple-chamber incinerator, equipped with auxiliary fuel, or equipment equally effective for the purposes of air pollution control as an approved multiple-chamber incinerator.
- 302 PROHIBITION - NIGHTTIME BURNING:** No incinerator burning shall be conducted between sunset and the following sunrise.
- 303 OPERATING EQUIPMENT - PERFORMANCE TESTING:** No person shall burn combustible refuse in any incinerator until it has passed a performance test based on the emission standards in Sections 305 and 306 of this rule.
- 304 INCINERATOR USE:** Approval of the use of an incinerator by the Control Officer is not intended to exempt the incinerator, its location or operation from the requirements of any public agency exercising proper jurisdiction.
- 305 LIMITATION - PARTICULATE EMISSIONS:** No person shall cause, suffer, allow or permit the emission into the atmosphere from any incinerator particulate matter which exceeds 0.1 grains per cubic foot (229 milligrams per cubic meter) of dry flue gas at standard conditions adjusted either to 12 percent carbon dioxide in the exhaust gases and calculated as if no auxiliary fuel had been used or to seven percent oxygen (O₂).
- 306 LIMITATION - VISIBLE EMISSIONS:** Notwithstanding the provisions of Regulation III, Rule 300 (Visible Emissions), no person shall cause, suffer, or allow the emission into the atmosphere from any incinerator for an aggregate of more than 30 seconds in any 60 minutes any air contaminant which is a shade or density darker than 20 percent opacity.

SECTION 400 - ADMINISTRATIVE REQUIREMENTS

- 401 INFORMATION REQUIRED:** No incinerator shall be constructed, remodeled, installed or used until the following information, and any additional information the Control Officer may require, has been filed with and approved by the Control Officer, and then only in compliance with the requirements of these Regulations.

- 401.1** Plans and specifications describing the capacity, amount and type of combustible refuse to be incinerated, proposed fuel, fire chamber and stack details, location of the incinerator with reference to adjacent premises, and auxiliary fuel controls.
- 401.2** Procedures and equipment used to handle refuse and to charge the incinerator.
- 401.3** Methods and equipment for preventing the discharge of contaminants into the ambient air.
- 401.4** Receptacles for storage and means of disposal of residue.

SECTION 500 - MONITORING AND RECORDS

- 501 RECORDKEEPING:** The owner or operator of any incinerator subject to the provisions of this rule shall on each day of use record the total weight charged and the hours of operation.
- 502 COMPLIANCE DETERMINATION - TEST METHODS:** When more than one test method is permitted for a determination, an exceedance of the limits established in this rule determined by any of the applicable test methods constitutes a violation of this rule.
 - 502.1** For determining total particulate matter, EPA Methods 1 through 5, or their EPA alternates approved by the Control Officer, shall be used. Both carbon dioxide and oxygen measurements shall be obtained simultaneously with each Method 5 run.
 - 502.2** Determination of visible emissions compliance shall be made by a certified emissions observer or by a continuous emission monitor which is maintained and calibrated in accordance with EPA Performance Specification #1 (40 CFR, Part 60, Appendix B). The observer shall be qualified as an expert visible emissions evaluator and so certified by the Arizona Department of Environmental Quality or by any other agency that is acceptable to the Control Officer.

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